

NC 280

from US 276 to Henderson County

Local ID: **TRAN0013-H**Purpose: **Safety**Improvement: **Improve Existing****Identified Need**

Existing NC 280 from US 276 to Brickyard Rd (SR 1323) in Henderson County is projected to be near capacity in 2045. A history of severe and fatal crashes, steep slopes, and truck traffic is present. US 64 serves as the primary arterial connecting Transylvania County to regional economic centers.

Recommendation

Redesign to a four-lane boulevard by replacing the center turn lane with a median, providing a multiuse path. Provide improved intersections, sight distance, and heavy vehicle accommodations.



Congestion / Mobility



Interchange



Access Management / Operations



Bridge / Overpass



Modernization



Intersection



Other

**Proposal At A Glance**

Highway Class	Access Management & Operation
Facility Type	Boulevard
Typical Section	04 K
Section Options	-
Estimated Cost	\$30,800,000
Length (miles)	5.08
Existing ROW (feet)	50-150
Safety Risk Score	-

Proposal Data: 2017 Base Year 2045 Future Year

Improved Route	Existing	Without Proposal	With Proposal
Facility Type	Major Thoroughfare Multi-lane	Major Thoroughfare Multi-lane	Boulevard
Travel Lanes	4	4	4
Volume (vpd)	14000-17000	20400-23400	-
Capacity (vpd)	29000-41400	29000-41400	29000-41400

Capacity Data: Year

Facility will be Approaching Capacity (>80%)	-
Facility will be Over Capacity (>=100%)	-

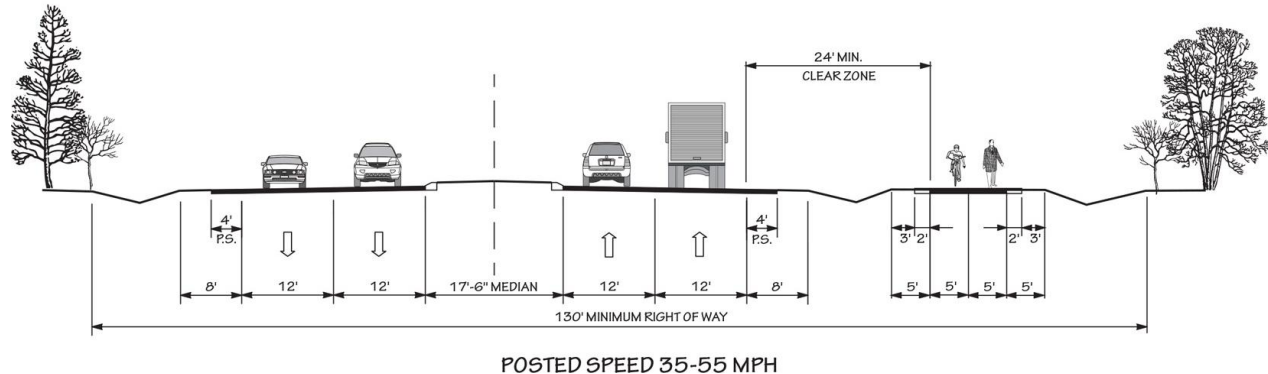


Typical Section Options:

None

TYPICAL SECTION No. 4K

4 LANE DIVIDED (17'-6" RAISED MEDIAN)
WITH PAVED SHOULDERS AND SIDEPATH

**Linkage to Other Plans**

According to the 2013 Blue Ridge Bike Plan, this facility is part of the "Priority Regional Corridor" from Brevard to the Mills River. It is classified partially as an other principal arterial and partially as minor arterial on the Federal Functional Classification System.

Multi-Modal Considerations

Transylvania County Transit, under the name "Transylvania in Motion" operates a fixed route as well as demand response system within the county. The deviated-fixed route does not reach this facility; however, it is within the demand-response area. The CTP proposes a new transit route to utilize this facility to connect Brevard to Asheville. In order to accommodate bicyclist and pedestrians, a multi-use path is recommended on this facility.

Goals & Objectives Survey

The citizens of Transylvania County responded to a public survey in early 2019 with a great deal of support for new greenways, sidewalks, and multi-use paths. When asked for their top three most important project types, these categories ranked first, third and fifth, out of a dozen choices. Rounding out the top five were maintenance and safety projects at second and fourth respectfully. When asked to rank transportation goals, the respondents gave two, preservation of the natural beauty and community character and increasing the number transportation mode choices, substantial net positive scores; improved connectivity, and economic development about neutral; and improved travel time was poorly scored, receiving over 50% of the lowest rank.

Relationship to Land Use

According to the 2025 Transylvania County Comprehensive Plan (2017), the area around this project is a Designated Growth Area where it is expected that future economic development of manufacturing,

commercial, and higher density residential housing will be constructed. They are constrained to areas with relatively flat land located out of the floodplain with access to major corridors and utilities. This designation along with appropriate policies will provide a framework for infrastructure expansion that will strengthen the confidence of public and private investors about the future of the land and their investment.

Natural & Human Environmental Context

Based on planning level environmental assessment using available GIS data, the proposed project is within the vicinity of wetlands. The project is in proximity of two places of worship and the historic William Deaver House.